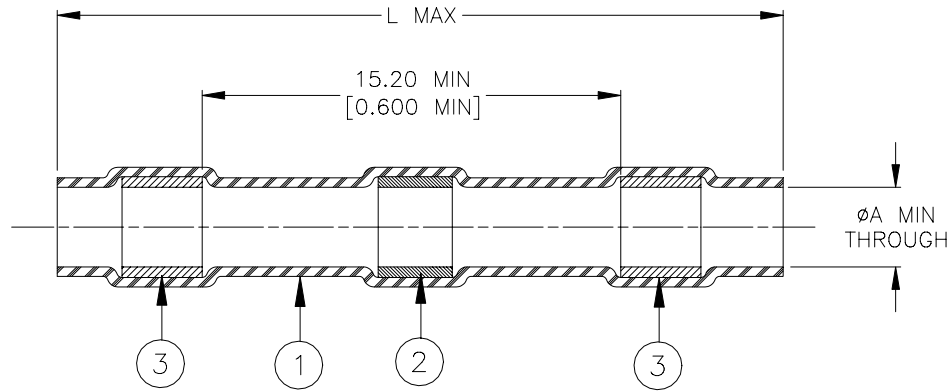


## SPECIFICATION CONTROL DRAWING



| Product Revisions |     | Size Code<br>Color<br>Item 3 | Product Dimensions |                | Conductor Dimensions |                | Selection Guide |      |           |       |
|-------------------|-----|------------------------------|--------------------|----------------|----------------------|----------------|-----------------|------|-----------|-------|
| Product Names     |     |                              | L                  | øA             | øB                   |                | Total mm²       |      | Total CMA |       |
|                   |     |                              | max                | min            | min                  | max            | min             | max  | min       | max   |
| B-152-9001        | N/C | Clear                        | 26.0<br>(1.025)    | 1.7<br>(.065)  | 0.4<br>(0.015)       | 1.7<br>(0.065) | 0.3             | 0.8  | 450       | 1500  |
| B-152-9002        | N/C | Red                          | 42.0<br>(1.655)    | 2.7<br>(0.105) | 1.3<br>(0.050)       | 2.7<br>(0.105) | 0.8             | 2.0  | 1250      | 3500  |
| B-152-9003        | N/C | Blue                         | 42.0<br>(1.655)    | 4.5<br>(0.180) | 1.8<br>(0.070)       | 4.5<br>(0.180) | 2.0             | 4.0  | 2500      | 7200  |
| B-152-9004        | N/C | Yellow                       | 42.0<br>(1.655)    | 6.0<br>(0.235) | 2.8<br>(0.110)       | 6.0<br>(0.235) | 4.0             | 6.0  | 6100      | 19000 |
| B-152-9005        | N/C | Gray                         | 42.0<br>(1.655)    | 7.0<br>(0.275) | 3.2<br>(0.125)       | 7.0<br>(0.275) | 6.0             | 10.0 | 12000     | 25000 |

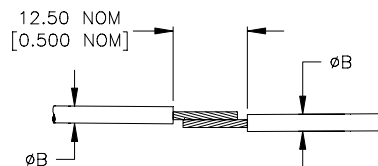
### MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked modified polyolefin. Transparent clear. Marked: "B-152".
2. SOLDER PREFORM WITH FLUX:  
SOLDER: TYPE Bi14 (Sn43Pb43Bi14A) per ANSI/J-STD-006.  
FLUX: TYPE ROM1 per ANSI/J-STD-004.
3. MELTABLE RINGS: Thermally stabilized thermoplastic. Color: see table.

### APPLICATION

1. These controlled soldering devices are designed to splice tin plated or bare copper stranded wires rated for at least +85°C.
2. Temperature range: -55°C to +125°C.
3. For installation procedure and application equipment consult RCPS-B152.

For best results, prepare the wire as shown:



|                                                                                                        |                                           |                                                                                                                                                             |  |                                                                                        |                  |                    |                  |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|------------------|--------------------|------------------|
| <div><b>tyco</b></div> <div>Electronics</div>                                                          |                                           | <div><b>Raychem</b></div> <div>305 Constitution Drive,<br/>Menlo Park, CA. 94025, USA</div>                                                                 |  | <div>TITLE:</div> <div>SOLDERSLEEVE ONE STEP WIRE<br/>TERMINATOR LOW TEMPERATURE</div> |                  |                    |                  |
| Unless otherwise specified dimensions are in millimeters.<br>[Inches dimensions are shown in brackets] |                                           |                                                                                                                                                             |  | DOCUMENT NO.:<br><div>B-152-900X</div>                                                 |                  |                    |                  |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A                                                            | ANGLES: N/A<br><br>ROUGHNESS IN<br>MICRON | Tyco Electronics reserves the right to amend<br>this drawing at any time. Users should<br>evaluate the suitability of the product for their<br>application. |  | PROD. REV.:<br>SEE TABLE                                                               | DOC. ISSUE:<br>0 | DATE:<br>24-Apr-03 |                  |
| PREPARED BY:<br>mforonda                                                                               |                                           | DCR NUMBER:<br>D030214                                                                                                                                      |  | REPLACES:<br>----                                                                      | SCALE:<br>None   | SIZE:<br>A         | SHEET:<br>1 of 1 |

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